

**AMENDMENTS TO THE CLAIMS**

This listing of the claims replaces all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS**

**Claim 1. (Currently Amended)** A secure access transceiver for providing secure and authenticated access to command controllable computerized equipment, comprising:

means for establishing a carrier signal in response to an access request from a remote entity seeking access to the equipment from a remote point;

means for authenticating the entity seeking access to the computerized equipment; and

means for enabling data to pass through a communications port of the secure access transceiver to the computerized equipment only upon authentication of the entity seeking access to the computerized equipment and for otherwise preventing data from passing through the communications port of the secure access transceiver.

**Claim 2. (Original)** A secure access transceiver as claimed in claim 1, wherein the means for authentication is of an embedded electronics type.

**Claim 3. (Original)** A secure access transceiver as claimed in claim 1, wherein the means for authentication is of a removable electronics type, such as a daughter card or a smart card.

**Claim 4. (Original)** A secure access transceiver as claimed in claim 1, wherein the means for authenticating the entity seeking access to the computerized equipment further comprises means for storing and retrieving information to enable the storage and retrieval of authentication information, transaction records and authentication information revocation lists.

**Claim 5. (Original)** A secure access transceiver as claimed in claim 4, wherein the means for authentication further comprises an absolute time clock to enable a validity of the authentication information to be restricted to specified periods of time.

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**Claim 6. (Original)** A secure access transceiver as claimed in claim 5, wherein associated with the transaction records is a maximum number of transactions enabled to trigger a critical event when the maximum number of transactions have been performed by the remote entity.

**Claim 7. (Original)** A secure access transceiver as claimed in claim 6, wherein the critical event triggers a transaction record dump to a known remote point.

**Claim 8. (Original)** A secure access transceiver as claimed in claim 1, wherein the means for enabling data to pass through to the computerized equipment is a signal enabling a shift in/out clock controlling data transfer to the computerized equipment.

**Claim 9. (Original)** A secure access transceiver as claimed in claim 1, wherein the means for enabling data to pass through to the computerized equipment is a signal enabling a read function which enables the data to be read from a register holding data to be transferred to the computerized equipment.

**Claims 10 – 30. (Cancelled)**

**Claim 31. (Currently Amended)** A secure access controller for providing secure authenticated access to command controllable computerized equipment, comprising:  
means for establishing a communications link in response to an access request from an entity seeking access to the computerized equipment from a remote point;  
means for authenticating the entity seeking access to the computerized equipment; and  
means for enabling data to pass through a communications port of the secure access controller to the equipment only upon authentication of the entity seeking access to the computerized equipment and otherwise preventing data from passing through the communications port of the secure access controller.

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**Claim 32. (Original)** A secure access controller as claimed in claim 31, wherein the means for authentication is of an embedded electronics type.

**Claim 33. (Original)** A secure access controller as claimed in claim 31, wherein the means for authentication is of a removable electronics type, such as a daughter card or a smart card.

**Claim 34. (Original)** A secure access controller as claimed in claim 31, wherein the means for authenticating the entity seeking access to the computerized equipment further comprises means for storing and retrieving information to enable the storage and retrieval of authentication information, transaction records and authentication information revocation lists.

**Claim 35. (Original)** A secure access controller as claimed in claim 34, wherein the means for authentication further comprises an absolute time clock to enable a validity of the authentication information to be restricted to specified periods of time.

**Claim 36. (Original)** A secure access controller as claimed in claim 35, wherein associated with the transaction records is a maximum number of transactions permitted to trigger a critical event when the maximum number of transactions have been performed by the remote entity.

**Claim 37. (Original)** A secure access controller as claimed in claim 36, wherein the critical event triggers a transaction record dump to a known remote point.

**Claim 38. (Original)** A secure access controller as claimed in claim 31, wherein the means for enabling data to pass through to the computerized equipment is a signal enabling a shift in/out clock controlling data transfer to the computerized equipment.

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**Claim 39. (Original)** A secure access controller as claimed in claim 31, wherein the means for enabling data to pass through to the computerized equipment is a signal enabling a read function which enables the data to be read from a register holding data to be transferred to the computerized equipment.

**Claims 40 – 60. (Cancelled)**

**Claim 61. (New)** A secure access transceiver as claimed in claim 1 further comprising means for receiving updated authentication information from an authentication server; wherein said means for authenticating the entity seeking access to the computerized equipment utilizes said updated authentication information during the authenticating the entity.

**Claim 62. (New)** A secure access transceiver as claimed in claim 61, wherein said updated authentication information comprises one or more access certificates.

**Claim 63. (New)** A secure access transceiver as claimed in claim 62, wherein said one or more access certificates comprise one or more electronic access keys.

**Claim 64. (New)** A secure access transceiver as claimed in claim 62, wherein said one or more access certificates have a time period of validity.

**Claim 65. (New)** A secure access transceiver as claimed in claim 61, wherein said updated authentication information comprises one or more revocation lists.

**Claim 66. (New)** A secure access controller as claimed in claim 31 further comprising means for receiving updated authentication information from an authentication server; wherein said means for authenticating the entity seeking access to the computerized equipment utilizes said updated authentication information during the authenticating the entity.

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**Claim 67. (New) A secure access controller as claimed in claim 66, wherein said updated authentication information comprises one or more access certificates.**

**Claim 68. (New) A secure access transceiver as claimed in claim 67, wherein said one or more access certificates comprise one or more electronic access keys.**

**Claim 69. (New) A secure access controller as claimed in claim 67, wherein said one or more access certificates have a time period of validity.**

**Claim 70. (New) A secure access transceiver as claimed in claim 66, wherein said updated authentication information comprises one or more revocation lists.**